

Amendments to the Claims under 37 C.F.R. § 1.121

Claims 1-8 (cancelled).

Claim 9 (currently amended): An isolated polypeptide having an amino acid sequence as set forth in SEQ ID NO: 5 produced by a process comprising:

(a) culturing a host cell containing a vector comprising a nucleic acid having a nucleotide sequence:

 (i) as set forth in SEQ ID NO. 4;

 (ii) of a DNA insert encoding a Secs-1 polypeptide in ATCC Deposit No. PTA-1755; or

 (iii) encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO. 5;

under conditions suitable to express the polypeptide; and optionally

(b) isolating the polypeptide from the culture.

Claims 10-12 (cancelled).

Claim 13 (previously presented): An isolated polypeptide comprising an amino acid sequence:

(a) as set forth in SEQ ID NO: 5; or

(b) encoded by a DNA insert encoding a Secs-1 polypeptide in ATCC Deposit No. PTA-1755.

Claim 14 (currently amended): An isolated polypeptide comprising:

 (a) an amino acid sequence as set forth in SEQ ID NO: 6, optionally further comprising an amino-terminal methionine; or

 (b) a fragment of ~~the amino acid sequence set forth in SEQ ID NO: 5 comprising at least about 25 amino acid residues, but not more than 80 amino acid residues, of the amino acid sequence set forth in SEQ ID NO: 5 comprising wherein upon injection into an animal the fragment produces an antibody that binds to the polypeptide set forth in SEQ ID NO: 5.~~

Claim 15 (cancelled).

Claim 16 (previously presented): An isolated polypeptide encoded by a nucleic acid molecule comprising a nucleotide sequence:

- (a) as set forth in SEQ ID NO: 4;
- (b) of a DNA insert encoding a Secs-1 polypeptide in ATCC Deposit No. PTA-1755; or
- (c) encoding a polypeptide having an amino acid sequence as set forth in SEQ ID NO: 5.

Claim 17-45 (cancelled).

Claim 46 (previously presented): A fusion polypeptide comprising the polypeptide of either Claim 13 or 14 fused to a heterologous amino acid sequence.

Claim 47 (original): The fusion polypeptide of Claim 46, wherein the heterologous amino acid sequence is an IgG constant domain or fragment thereof.

Claims 48-56 (cancelled).

Claim 57 (currently amended): A polypeptide produced by a process comprising

(a) culturing a host cell containing a vector comprising a nucleic acid molecule having a nucleotide sequence of a region of the nucleotide sequence of:

- (i) SEQ ID NO: 4; or
- (ii) a DNA insert encoding a Secs-1 polypeptide in ATCC Deposit No. PTA-1755;

wherein the nucleic acid molecule encodes the polypeptide which is produced, and the polypeptide is a fragment of ~~the amino acid sequence set forth in SEQ ID NO: 5~~ of at least about 25 amino acid residues, but not more than 80 amino acid residues, of the amino acid sequence set forth in SEQ ID NO: 5 and wherein the polypeptide fragment upon injection into an animal produces an antibody that binds to the polypeptide set forth in SEQ ID NO: 5;

under suitable conditions to express the polypeptide; and optionally

(b) isolating the polypeptide from the culture.

Claim 58 (cancelled).

Claim 59 (previously presented): The polypeptide of either Claim 9 or 57, wherein the host cell is a eukaryotic cell.

Claim 60 (previously presented): The polypeptide of either Claim 9 or 57, wherein the host cell is a prokaryotic cell.

Claim 61 (currently amended): An isolated polypeptide encoded by a nucleic acid molecule comprising a nucleotide sequence of a region of the nucleotide sequence of:

(a) SEQ ID NO: 4; or

(b) a DNA insert encoding a Secs-1 polypeptide in ATCC Deposit No. PTA-1755;

wherein the nucleic acid molecule encodes a polypeptide fragment of at least about 25 amino acid residues, but not more than 80 amino acid residues, ~~and wherein upon injection into an animal the polypeptide fragment produces an antibody that binds to the polypeptide set forth in SEQ ID NO: 5.~~

Claim 62 (cancelled).